



CONTENTS OF VOLUME 115

Vol. 115C, No. 1

Review

B. H. Ali, M. Oukessou and A. K. Bashir

General Papers

E. A. Hassoun and S. J. Stohs

T. L. Gilson, A. D. Kennedy and T. Rampersand

M. Jallageas and N. Mas

L. Van Ginneken, S. Comhaire and R. Blust

G. Palladini, S. Ruggeri, F. Stocchi, M. F. De Pandis, G. Venturini and V. Margotta

M. Zidane, P. Pondaven, C. Roussakis, B. Quéméner and M. T. Moré

S. Sánchez-Campos, M. J. Tuñón, P. González, R. Campo, M. C. Ferreras, Y. Manga and J. González-Gallego

J. A. García Sáinz, M. E. Cruz-Muñoz and Ma. T. Romero-Avila

S. Z. Kim, S. H. Kim and K. W. Cho

N. De Bremaeker, J. Mallefet and F. Baguet

R. Gabbianelli, A. M. Santroni, A. Concetti, A. Kantar and G. Falcioni

T.-C. Chu, J. L. Burch, M. A. de Paula Brotto, T. L. Creazzo, J. Han, G. Y. Han and D. E. Potter

E. Chávez, F. Téllez, J. Pichardo, R. Milán, A. Cuéllar, K. Carbajal and D. Cruz

1 Pharmacokinetic considerations in the camel (*Camelus dromedarius*): A Review

11 TCDD, endrin and lindane induced oxidative stress in fetal and placental tissues on C57BL/6J and DBA/2J mice

19 Effects of breed and adipose depot location on responsiveness and sensitivity to adrenergic stimulation in ovine adipose tissue

27 Balance between opposite effects of short day stimulation and testicular steroid feedback inhibition on pituitary pulsatile LH release in male mink, *Mustela vison*

33 Determination of blood content in teleost gills using a liquid scintillation analyser: Procedure for the correction of branchial metal accumulation rates

41 A pharmacological study of cocaine activity in planaria

47 Pachymatismin: A novel cytotoxic factor from the marine sponge (*Pachymatista johnstonii*)

55 Effects of experimental dicrocoeliosis on oxidative drug metabolism in hamster liver

61 Characterization of the β_2 adrenoceptors of dog liver

67 Specific binding sites for atrial natriuretic peptide in the freshwater turtle, *Amyda japonica*

75 Luminescence control in the brittlestar *Amphipholis squamata*: Effect of cholinergic drugs

83 Superoxide anion handling by trout erythrocytes: A chemiluminescence study

89 Elevation of intracellular Ca^{2+} concentration in rabbit nonpigmented ciliary epithelial cells by allicin

95 On the protection by ketorolac of reperfusion-induced heart damage

I Comparative Biochemistry and Physiology C Bibliography

Vol. 115C, No. 2

101 Plasma vitellogenin of grouper (*Epinephelus malabaricus*): Isolation and properties

111 Cyclic AMP-dependent protein kinase in ovarian follicle cells of starfish *Asterina pectinifera*

- S. Haider and S. K. Chaube**
- J. R. Pedrajas, J. López-Barea and J. Peinado**
- G. Degani, R. Boker and K. Jackson**
- L. Fortun-Lamothe, D. Langin and M. Lafontan**
- R. Sarojini, R. Nagabhushanam and M. Fingerman**
- R. G. S. Berlinck, C. A. Ogawa, A. M. P. Almeida, M. A. A. Sanchez, E. L. A. Malpezzi, L. V. Costa, E. Hajdu and J. C. de Freitas**
- M. Haghigiat, A. Moetamed, T. Vaseghi and M. Aminlari**
- D. Engelstein, J. Shmueli, S. Bruhis, C. Servadio and A. Abramovici**
- L. A. Polgár, B. Darvas, W. Völkl, P. Porcheron, A. Székács and S. Szelinger**
- 117 The *in vitro* effects of forskolin, IBMX and cyanoketone on meiotic maturation in follicle-enclosed catfish (*Clarias batrachus*) oocytes
- 125 Dieldrin induces peroxisomal enzymes in fish (*Sparus aurata*) liver
- 133 Growth hormone, gonad development, and steroid levels in female carp
- 141 Influence of prolactin on *in vivo* and *in vitro* lipolysis in Rabbits
- 149 *In vivo* assessment of opioid agonists and antagonists on ovarian maturation in the red swamp crayfish, *Procambarus clarkii*
- 155 Chemical and pharmacological characterization of halitoxin from *Amphimedon virdis* (Porifera) from the southeastern Brazilian coast
- 165 Isoprenaline induces biosynthesis of proline-rich proteins in the salivary glands of rat but not in sheep
- 169 Citral and testosterone interactions in inducing benign and atypical prostatic hyperplasia in rats
- 179 Comparison of ecdysteroid concentration in different morphs of aphids

Vol. 115C, No. 3

General Papers

- T. Onaga, M. Uchida, M. Kimura, M. Miyazaki, H. Mineo, S. Kato and R. Zabielski**
- M. Devescovi and Č. Lucu**
- M. E. MacKay, J. Raelson and C. B. Lazier**
- E. Tanaka, A. Ishikawa, M. Abei and S. Kobayashi**
- S. M. Khoja, A. O. Abuelgassim and O. A. Al-Bar**
- T. Sugimoto, M. Yoshino, M. Nagao, S. Ishii and H. Yabu**
- M. E. Torres-Márquez, M. Macías-Silva and A. Vega-Segura**
- B. Cymborowski and V. King**
- H. J. R. Popham and G. M. Chippendale**
- L. Carlsson and C. E. Lundholm**
- M. J. Rocha and M. A. Reis-Henriques**
- M. A. Haseeb, W. B. Solomon and J. F. Palma**
- 185 Effect of pituitary adenylate cyclase-activating polypeptide on exocrine and endocrine secretion in the ovine pancreas
- 195 Copper levels during osmotic stress in the shore crab *Carcinus aestuarii*
- 201 Up-regulation of estrogen receptor mRNA and estrogen receptor activity by estradiol in liver of rainbow trout and other teleostean fish
- 211 Trimethadione as a probe drug to estimate hepatic oxidizing capacity in humans
- 217 Effect of vanadate on the activity of rat jejunal 6-phosphofructo-1-kinase
- 223 Voltage-gated ionic channels in cultured rabbit articular chondrocytes
- 233 Identification of a functional Gs protein in *Euglena gracilis*
- 239 Circadian regulation of Fos-like expression in the brain of the blow fly *Calliphora vicina*
- 247 Effect of a hypolipidemic agent on the growth and development of the southwestern corn borer, *Diatraea grandiosella*
- 251 Characterisation of the effects of cadmium on the release of calcium and on the activity of some enzymes from neonatal mouse calvaria in culture
- 257 Plasma and urine levels of C₁₈, C₁₉ and C₂₁ steroids in an asynchronous fish, the Tilapia *Oreochromis mossambicus* (Teleostei, Chichlidae)
- 265 *Schistosoma mansoni*: Effect of recombinant tumor necrosis factor α on fecundity and [¹⁴C]-tyrosine uptake in females maintained *in vitro*

**T. Zeng, H. Yamamoto, E. Bowen,
R. L. Broverman, K-H. T. Nguyen and
M. G. Humphreys-Beher**

**W. M. Bandaranayake, J. E. Bemis and
D. J. Bourne**

- 271 Cell cycle control in isoproterenol-induced murine salivary acinar cell proliferation
- 281 Ultraviolet absorbing pigments from the marine sponge *Dysidea herbacea*: Isolation and structure of a new mycosporine

